



# NASA Workshop: Meteor Video Observations and Analysis

**Date** August 4 - 5, 2011

**Location** Pisgah Astronomical Research Institute  
1 PARI Drive  
Rosman, North Carolina, 28772 USA

**Host** NASA Meteoroid Environment Office



**Workshop** The advent of low cost, low light level video cameras has resulted in the rapid spread of meteor video systems, from narrow field to all-sky. This explosion of operational instruments has resulted in many challenges to both meteor scientists and amateur meteor observers, especially in the areas of data analysis and information sharing. The primary aim of this workshop is to gather professional and amateur meteor observers together into an open forum where observational techniques, detection software, and data-analysis methods can be presented and debated.

## Scientific Topics

### Video Observations

- All-sky
- Narrow & wide field
- Telescopic

### Detection Software

- ASGARD
- MeteorScan
- MetRec
- UFOCapture
- WSentinel
- Other detection algorithms

### Analysis Methods

- Trajectory & orbit determination
- Magnitude
- Dark flight calculation
- Databases

**Presentations** Presentation length will be determined by the number of participants, but we are currently setting a target of 20 minutes per presentation, with an additional 5 minutes set aside for questions.

**Registration** If you can attend this workshop, please respond to Dr. Bill Cooke via e-mail at [william.j.cooke@nasa.gov](mailto:william.j.cooke@nasa.gov) on or before June 15, 2011. Please include a title and abstract if you intend to present. Additional details – travel information, lodging details, etc. – will be posted to the MEO website, [meo.nasa.gov](http://meo.nasa.gov), and sent electronically to each responder. There is no registration fee. We regret that no financial assistance can be provided to cover travel or lodging costs.